







IF FOUND PLEASE RETURN TO:

JOSEPH HAYDOCK  
HASTINGS NATURAL HISTORY RESERVATION  
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\$\$\$\$\$ HUGE REWARD \$\$\$\$\$



2003 Walt Koenig & Joey Haydock

Bird #

3709

*Melanerpes formicivorus*

Capture Record

1. Date: 20 JUNE
2. Time: 4:15
3. Where: MLF1
4. Age: ~~Juv.~~ Adult
5. Sex: male
6. Molt: Wing: 6th growing 1-5 new.  
Tail: Middle rectrices growing  
Body: 54%  
Crown: 54%
7. Weight: 76
8. Culmen 31.8
9. Wing length: 128
10. Tail length: 78
11. BANDS: ~~972-76175~~ L green-D green  
White-Orange / White-Orange
12. Screams: None Some Fair amount Lots
13. Comments: 1 of 2 caught ~~from missed~~  
~~Juv. one adult~~ ~~nest unknown if there are~~  
~~caught in ambush.~~ others.  
- ~~no adults caught in ambush.~~



302

1955 May 1 - 1955 May 1

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1955 May 1 - 1955 May 1



2003 Walt Koenig & Joey Haydock

Bird # 3910

*Melanerpes formicivorus*

Capture Record

1. Date: 20 June

2. Time: 4:15

3. Where: MLF1

4. Age: Juv.

5. Sex:

6. Molt:           Wing:

Tail:

Body:

Crown:

7. Weight:

8. Culmen

9. Wing length:

10. Tail length:

11. BANDS:

972-76171 /  
6

12. Screams: None   Some   Fair amount   Lots

13. Comments:

Juv. from  
missed nest.

~~2 of 2 from missed nest.~~  
see # 3909 comments



3710

Walt Koenig & Jerry Haddock

Melanerpes formicivorus

Capture Record

1. Date: 20 June

2. Time: 4:15

3. Where: MFL

4. Age: Juv.

5. Sex:

6. Morph: Wing:

7. Tail:

8. Body:

9. Crown:

10. Weight:

11. Culmen:

12. Wing length:

13. Tail length:

14. Bands:

975-76176

15. Scramble: None (Some) Fair amount None

16. Comments:

~~Not a formicivore~~

see # 3019 comments

juv. form  
Mixed nest



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\* FIELD LIST \*  
\* 06/28/2004 \*  
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BUCKEYE

1	2826	F	M	MAUVE	/DGREEN-BPK (N) /DGREEN-BPK (N)	B	06/24/2004
3	3245	M	RED	-WHT (N) /M		B	06/24/2004
			RED	-WHT (N) /WHITE			
	3247	M	D BLUE	/YELLOW		B	06/24/2004
			D BLUE-MAUVE	/M			
	3302	M	BLACK -WHITE	/M		B	06/24/2004
			YELLOW	/YELLOW-RED			
	4012	U	M	/RED		H	06/19/2004
			RED	/MAUVE			
	4013	U	ORANGE	/M		H	06/19/2004
			DGREEN-LGREEN	/DGREEN-LGREEN			
	4014	U	L BLUE	/L BLUE		H	06/19/2004
			M	/L BLUE-ORANGE			
	4015	U	WHITE	/L PINK		H	06/19/2004
			WHITE	/M			

PLAQUE

	2702	F	WHITE	/DGREEN		B	06/17/2004
			LGREEN-DGREEN	/M			
	2056	M	L BLUE	/L BLUE		B	06/17/2004
			M	/D BLUE-WHT (N)			



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## PLAQUE

(cont.)

2428	M	M	/L PINK-BLACK	B	06/17/2004
		RED	/L PINK-BLACK		
3981	U	M	/D BLUE-RED	H	05/24/2004
		RED -D BLUE/BLACK			
3982	U	D PINK	/M	H	05/24/2004
		LGREEN-WHITE	/D PINK		
3983	U	M	/MAUVE	H	05/24/2004
		L BLUE-DGREEN/DGREEN-L BLUE			

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## UPPER BARN

3834	F	M	/BROWN -LGREEN	B	04/05/2004
		B PINK-L PINK/LGREEN			

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## CABIN

3525	M	MAUVE	/M	B	05/30/2004
		WHITE -BLACK	/BLACK -WHITE		
3927	M	M	/YELLOW	B	05/23/2004
		LGREEN	/L BLUE-LGREEN		

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## CAVITY

3522	F	M	/YELLOW	B	06/20/2004
		D BLUE-YEL (N)	/YELLOW		
3523	F	RED	/M	B	06/20/2004
		L BLUE-LGREEN/RED			
3067	M	D BLUE-YEL (N)	/M	B	06/20/2004
		WHITE	/YELLOW		







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CAVITY

(cont.)

3165	M	M	/D BLUE-YEL (N) LGREEN-YELLOW/LGREEN-YELLOW	B	05/28/2004
3284	M	WHITE RED	/M -WHT (N) /WHITE	B	06/20/2004
3602	M	L BLUE-ORANGE/ M	L BLUE-ORANGE /RED	B	06/20/2004
4000	U	M RED	/ORANGE /ORANGE	H	06/20/2004
4001	U	YELLOW-MAUVE M	/MAUVE /YELLOW-MAUVE	H	06/04/2004
4002	U	YELLOW D BLUE-WHT (N)	/L BLUE-WHITE /M	H	06/20/2004
4003	U	ORANGE-DGREEN/ ORANGE-DGREEN/M	DGREEN-ORANGE	H	06/04/2004

MACROBERTS

3032	F	RED RED	-BLACK /RED -WHT (N) /M	-WHITE	B	06/24/2004
2973	M	M WHITE	/RED /DGREEN-WHT (N)	-L BLUE	B	06/24/2004
2999	M	YELLOW-D BLUE/ RED	D BLUE-WHT (N) /M		B	06/24/2004
3715	M	DGREEN RED	/RED -ORG (N) /M		H	06/27/2004
4006	U	LGREEN-LBL (N) M	/DGREEN /DGREEN		H	06/17/2004







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## MACROBERTS

(cont.)

4007 U L PINK-B PINK/M  
L PINK-B PINK/L PINK

H 06/17/2004

## KNOLL

2780 F LGREEN /M  
ORANGE-LGREEN/LGREEN-ORANGE

B 06/28/2004

2957 F L BLUE /L BLUE  
M /YELLOW

B 06/28/2004

2563 M RED -ORG(N) /M  
MAUVE -YELLOW/MAUVE -YELLOW

B 06/28/2004

2749 M RED /L BLUE  
YELLOW /M

B 06/28/2004

2750 M YELLOW-D BLUE/M  
D BLUE-RED /D BLUE

B 06/28/2004

3401 F ORANGE-D PINK/D PINK-ORANGE  
ORANGE-D BLUE/M

H 06/28/2004

3398 M M /DGREEN  
L PINK-D PINK/L PINK

H 06/27/2004

3399 M RED /M  
RED -WHT(N) /RED

H 06/28/2004

3753 M D BLUE /M  
WHITE -MAUVE /YELLOW

H 06/27/2004

3970 U M /WHITE -D BLUE  
GREEN -WHT(N) /GREEN -WHT(N)

H 06/27/2004

3971 U M /RED  
WHITE /WHITE

H 06/28/2004







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## KNOLL

(cont.)

3972	U	GREEN -WHT (N) /BLACK M /ORANGE-DGREEN	H	06/28/2004
3973	U	RED -LGREEN/LGREEN-RED D BLUE /M	H	06/28/2004
3979	U	LGREEN /ORANGE-WHITE M /RED -ORG (N)	H	05/22/2004
3980	U	M /L BLUE-BLACK BLACK /LGREEN-LBL (N)	H	06/28/2004

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## BLOMPOND

2967	F	BLACK -BPK (N) /M WHITE -BLACK /WHITE	B	04/25/2004
✓2704	M	M /D BLUE-WHT (N) ORANGE-L BLUE/ORANGE-L BLUE	B	02/11/2004
3796	F	BLACK -WHT (N) /BLACK -WHT (N) BLACK -WHT (N) /M	H	06/27/2004

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## CENTRAL CANYON

3404	F	D BLUE /L BLUE D BLUE-ORANGE/M	B	04/27/2004
✓3322	M	YELLOW /LGREEN D PINK-ORANGE/M	B	04/27/2004
3327	M	RED -WHT (N) /YELLOW M /RED -YELLOW	B	04/27/2004

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LONESOME DOVE

3797	F	WHITE M	/D BLUE-YELLOW /YELLOW-D BLUE	B	05/07/2004
3198	M	L BLUE-ORANGE/M L BLUE-ORANGE/ORANGE-WHITE		B	05/07/2004

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1500

3613	F	M D BLUE	/LGREEN-WHT (N) /L BLUE-WHITE	B	06/04/2004
3633	M	M RED	/BLACK -L PINK -YELLOW/YELLOW-RED	B	06/04/2004

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1800

2939	F	M D GREEN-L PINK	/WHITE /D BLUE-BPK (N)	B	06/13/2004
3950	F	BLACK -MAUVE MAUVE -BLACK	/M /L BLUE	H	06/13/2004
3111	M	M ORANGE	/ORANGE /	H	06/13/2004
3498	M	RED RED	-YELLOW/M -YELLOW/YELLOW-RED	H	06/13/2004
3739	M	ORANGE-WHITE RED	/ORANGE-WHITE /M	H	04/25/2004

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DIPSY

3190	F	MAUVE -YELLOW/M MAUVE -YELLOW/MAUVE -YELLOW		B	04/23/2004
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DIPSY

(cont.)

3588	M	LGREEN-LBL (N) DGREEN	/LGREEN-LBL (N) /M	B	04/23/2004
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HAY-BLOM

3587	M	L BLUE M	/L BLUE /MAUVE	B	04/24/2004
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SOTO SPRINGS

3911	F	ORANGE M	/ORANGE /RED -WHT (N)	B	03/28/2004
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3483	M	WHITE -BLACK BLACK	/BLACK -WHITE /M	B	03/28/2004
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LOWER HAYSTACK

3104	F	BLACK -BPK (N) M	/BLACK -BPK (N) /BLACK	B	06/13/2004
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1521	M	M DGREEN	/LGREEN-D BLUE /YELLOW	B	06/13/2004
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2363	M	MAUVE BLACK	/MAUVE /M	B	06/13/2004
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2835	M	M LGREEN	/RED /RED -DGREEN	B	06/13/2004
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3223	M	L BLUE-YELLOW L BLUE-DGREEN/M	/L BLUE-DGREEN	B	06/13/2004
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MIDDLE PRAIRIE HF

2752	F	M	/D BLUE-YEL (N) D BLUE-YEL (N) /ORANGE-WHITE	B	06/07/2004
3307	F	RED	-BLACK /BLACK -RED RED /M	B	06/07/2004
3624	M	MAUVE	-D BLUE/MAUVE -D BLUE BLACK /M	H	06/07/2004
3688	M	BLACK	-WHT (N) /M BLACK -WHT (N) /L BLUE	H	05/24/2004
3689	M	ORANGE	/M D BLUE-WHT (N) /ORANGE	H	06/07/2004
3989	U	M	/B PINK-BLACK D BLUE /BLACK -B PINK	H	05/31/2004
3990	U	WHITE	/M ORANGE /WHITE	H	05/31/2004
3991	U	RED	-LGREEN/RED M /D BLUE-YEL (N)	H	05/31/2004
3992	U	LGREEN-LBL (N)	/BLACK LGREEN-LBL (N) /M	H	05/31/2004

Y2K

3385	F	BLACK	/M BLACK /DGREEN-RED	B	06/21/2004
3269	M	D BLUE-WHT (N)	/RED M /RED -MAUVE	H	06/21/2004
3675	M	D BLUE-WHT (N)	/M D BLUE-WHT (N) /ORANGE	H	06/21/2004







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Y2K

(cont.)

3677 M WHITE -BLACK /BLACK -WHITE H 06/21/2004  
WHITE -BLACK /M

4010 U M /YELLOW H 06/15/2004  
LGREEN-BROWN /YELLOW

4011 U LGREEN /RED -WHT (N) H 06/15/2004  
RED -WHT (N) /M

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STROMBERG

3175 F M /DGREEN-YELLOW B 05/31/2004  
L BLUE /GREEN -WHT (N)

2802 M D BLUE-WHITE /WHITE -D BLUE B 05/07/2004  
M /RED -D BLUE

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WESTGATE

3314 F M /BLACK -RED B 05/02/2004  
D BLUE-WHT (N) /RED -BLACK

3316 F LGREEN /BROWN -LGREEN B 05/02/2004  
LGREEN-LBL (N) /M

3100 M L BLUE /M B 05/02/2004  
L BLUE /D BLUE

3249 M D BLUE-WHT (N) /M B 04/02/2004  
L BLUE /WHITE

3857 M YELLOW /LGREEN-LBL (N) H 05/02/2004  
M /MAUVE -YELLOW

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## GATE

2251	F	L PINK /M BLACK -WHITE /RED	B	06/17/2004
2771	M	L BLUE /M D BLUE-ORANGE/D BLUE	B	06/06/2004
2773	M	YELLOW /BLACK -L BLUE M /	B	06/17/2004
3904	F	M /YELLOW DGREEN /LGREEN	H	06/06/2004
3423	M	LGREEN-DGREEN/M BLACK /DGREEN-LGREEN	H	06/06/2004
3731	M	MAUVE /L BLUE M /MAUVE -L BLUE	H	06/06/2004
3783	M	M /ORANGE YELLOW /ORANGE	H	06/17/2004
3784	M	YELLOW-LGREEN/YELLOW-LGREEN M /D BLUE-YEL (N)	H	05/21/2004
3905	M	L BLUE-MAUVE /M L BLUE-MAUVE /L BLUE-MAUVE	H	05/21/2004
3907	M	RED -DGREEN/DGREEN-RED RED -ORG (N) /M	H	06/06/2004
4004	U	YELLOW-MAUVE /L BLUE-MAUVE MAUVE -YELLOW/M	H	06/09/2004
4005	U	BLACK -B PINK/M BLACK -L PINK/L PINK-BLACK	H	06/09/2004

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## ROAD 1

3441	F	M	/YELLOW	B	04/09/2004
		L BLUE	/YELLOW		
2543	M	YELLOW	/	B	04/09/2004
		D BLUE-YEL (N)	/M		

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## FINCH

3872	F	DGREEN-L BLUE/M		B	11/09/2003
		L BLUE	/DGREEN		
5527	F		/	B	10/05/2003
			/		
3405	M	YELLOW-D BLUE/M		B	02/22/2004
		YELLOW-D BLUE/D BLUE			
3891	M	D BLUE-WHT (N) /RED	-WHT (N)	H	04/27/2004
		RED	/M		

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## SCHOOL HILL

2861	M	RED	/M	B	06/14/2004
		MAUVE	/ORANGE		
3468	F	RED -LGREEN/L BLUE		H	06/14/2004
		M	/RED -LGREEN		
3469	M	L BLUE-WHITE /WHITE		H	06/14/2004
		BLACK -WHT (N) /M			

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## SCHOOL HILL ANNEX

2863	M	M	/YELLOW	B	06/14/2004
		LGREEN	/LGREEN-ORANGE		





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## SCHOOL HILL ANNEX

(cont.)

3461	F	M	/ORANGE-D BLUE	H	06/14/2004
		ORANGE	/WHITE		
3923	F	BROWN -LGREEN/M		H	06/14/2004
		RED -BLACK /LGREEN			
3462	M	M	/DGREEN	H	06/14/2004
		RED	/DGREEN		

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## BLACK OAK

2400	F	BLACK -L BLUE/BLACK -L BLUE	B	05/21/2004
		M /D BLUE-WHITE		
3436	M	LGREEN /DGREEN-L BLUE	B	05/21/2004
		L BLUE-D BLUE/M		
3262	F	D BLUE-WHT (N) /M	H	03/11/2004
		DGREEN-ORANGE/MAUVE		
3365	F	RED -LGREEN/M	H	05/21/2004
		LGREEN-RED /RED -LGREEN		
3830	F	M /YELLOW	H	05/21/2004
		YELLOW /DGREEN		
3944	F	BLACK -L BLUE/WHITE	H	03/11/2004
		RED -WHT (N) /M		
3364	M	M /D BLUE-YEL (N)	H	05/21/2004
		ORANGE /RED -WHT (N)		
3744	M	RED -ORG (N) /M	H	05/21/2004
		ORANGE /RED -BLACK		
3942	M	M /DGREEN-ORANGE	H	03/12/2004
		MAUVE -ORANGE/ORANGE		

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## PHANTOM OF BLK OAK

2821	F	RED	-WHT (N) /M	B	06/03/2004
		RED	-WHT (N) /DGREEN		
2985	M	BLACK	/RED -WHT (N)	B	06/14/2004
		M	/RED -WHT (N)		
3120	M	L BLUE-LGN (N)	/L BLUE-LGN (N)	B	06/07/2004
		M	/L BLUE-LGN (N)		
3263	M	LGREEN-D BLUE	/D BLUE-LGREEN	B	06/07/2004
		M	/DGREEN		
5503	M		/	H	06/07/2004
			/		
3974	U	M	/D BLUE-WHT (N)	H	05/13/2004
		LGREEN	/D BLUE		
3998	U	M	/YELLOW	H	06/03/2004
		DGREEN	/LGREEN		
3999	U	ORANGE	/BLACK -L BLUE	H	06/03/2004
		BLACK -RED	/M		

## ARNOLD 1

3239	F	WHITE	-LGREEN/LGREEN	B	04/12/2004
			LGREEN-BROWN /M		
3429	F	L PINK	/WHITE	B	06/18/2004
		RED	-D BLUE/M		
3252	M	BLACK	-WHT (N) /M	B	06/18/2004
		BLACK	-WHT (N) /LGREEN		
3594	M	WHITE	-L BLUE/L BLUE-WHITE	B	06/18/2004
		M	/MAUVE		





## KEEP OUT

2602	F	M	/D BLUE-L BLUE	B	06/03/2004
		DGREEN	/DGREEN		
2647	M	M	/RED -BLACK	B	06/03/2004
		BLACK	/RED -WHT (N)		
2684	M	MAUVE -YELLOW/M		B	06/03/2004
		L BLUE-DGREEN/DGREEN			
3885	F	M	/WHITE -DGREEN	H	06/03/2004
		RED -ORG (N) /WHITE			
3962	F	RED -WHT (N) /M		H	06/03/2004
		L PINK /L PINK			
3964	F	WHITE /WHITE		H	06/03/2004
		L BLUE-DGREEN/M			
3073	M	M	/RED	H	05/26/2004
		YELLOW	/YELLOW		
3730	M	YELLOW-MAUVE /BLACK -MAUVE		H	06/03/2004
		MAUVE -YELLOW/M			

## LAMBERT

2905	F	M	/MAUVE	B	10/10/2003
		RED	/L BLUE		
3070	F	YELLOW	/YELLOW-MAUVE	B	10/10/2003
		M	/YELLOW-D BLUE		
3072	F	L BLUE	/YELLOW	B	10/10/2003
		M	/RED		





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## LAMBERT

(cont.)

2865	M	M	/MAUVE RED -D BLUE/RED	B	02/15/2004
3515	M	M	/DGREEN-D BLUE D BLUE /DGREEN-D BLUE	B	12/02/2003
3955	F	L PINK-BLACK M	/WHITE /BLACK	H	03/18/2004

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## UPPER ARNOLD 2

2838	F	BLACK -L PINK/BLACK	L PINK-BLACK /M	B	06/02/2004
3565	M	ORANGE-BLACK L BLUE	/BLACK -ORANGE /M	B	06/02/2004
3733	F	DGREEN-LGN (N) MAUVE -ORANGE/RED	/M	H	06/02/2004
3734	F	BLACK M	/ORANGE-WHITE /BLACK	H	05/03/2004
3833	F	MAUVE MAUVE	/M /D BLUE-L BLUE	H	06/02/2004
3993	U	M ORANGE-BLACK	/LGREEN-WHITE /LGREEN	H	06/02/2004
3994	U	M L PINK	/D BLUE-WHT (N) /L BLUE-DGREEN	H	06/02/2004
3995	U	D PINK YELLOW	/M /MAUVE	H	06/02/2004
3996	U	LGREEN-BROWN M	/DGREEN /LGREEN-BROWN	H	06/02/2004





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UPPER ARNOLD 2

(cont.)

3997	U	YELLOW-D BLUE/YELLOW B PINK-L PINK/M	H	06/02/2004
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LOWER ARNOLD 2

2901	F	M WHITE	/ /D BLUE	B	05/03/2004
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3034	M	RED -ORANGE/WHITE D BLUE-WHT (N) /M		B	05/12/2004
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3038	M	BLACK BLACK	/M /YELLOW	B	05/12/2004
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3214	F	BLACK -RED M	/BLACK /BLACK -BPK (N)	H	05/03/2004
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3599	F	LGREEN-MAUVE M	/LGREEN-BROWN /LGREEN	H	02/15/2004
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3684	F	ORANGE M	/DGREEN /ORANGE-DGREEN	H	02/15/2004
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3801	F	M B PINK-BLACK	/L BLUE-D BLUE /BLACK -B PINK	H	02/15/2004
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3803	F	YELLOW M	/D BLUE-YEL (N) /YELLOW	H	02/15/2004
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3368	M	D PINK-ORANGE/M BLACK	/D PINK-ORANGE	H	05/12/2004
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BIANCA NORTH

3867	F	D BLUE-WHT (N) /MAUVE -RED M	/RED	B	05/29/2004
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## BIANCA NORTH

(cont.)

3876	F	MAUVE -BLACK /M ORANGE /MAUVE	B	05/29/2004
3986	F	M /L PINK L PINK /BLACK -WHT (N)	B	05/29/2004
3213	M	D BLUE-WHITE /M D BLUE-DPK (N) /WHITE	B	05/29/2004
3875	M	H PINK-L PINK/RED M /L PINK-H PINK	<u>B?</u>	05/29/2004
3878	F	D BLUE /M MAUVE -LGREEN/D BLUE	H	05/20/2004
3987	U	M /LGREEN-WHITE WHITE /LGREEN-WHITE	H	05/29/2004
3988	U	LGREEN-ORANGE/ORANGE LGREEN-ORANGE/M	H	05/29/2004

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## BIANCA

2736	F	YELLOW /M LGREEN-YELLOW/LGREEN-YELLOW	B	05/27/2004
2490	M	BLACK -B PINK/D BLUE L BLUE /M	B	05/27/2004
2523	M	DGREEN /YELLOW M /BLACK -ORANGE	B	05/27/2004
3884	F	ORANGE-DGREEN/ORANGE ORANGE /M	H	05/27/2004
3881	M	M /ORANGE-BROWN LGREEN /BROWN -LGREEN	H	03/17/2004





06/28/2004

18

## BIANCA

(cont.)

3975	U	M	/RED -DGREEN	H	05/19/2004
			RED -DGREEN/YELLOW-DGREEN		
3976	U	D	BLUE-YEL(N) /M	H	05/19/2004
		D	BLUE-YEL(N) /ORANGE		
3977	U	BLACK	-YELLOW/YELLOW-BLACK	H	05/19/2004
		WHITE	/M		
3978	U	RED	-WHITE /MAUVE	H	05/19/2004
		D	BLUE-RED /M		

---

## BIANCA NEGRA

2984	F	RED	/M	B	06/18/2004
		L	BLUE-D BLUE/L BLUE-D BLUE		
3092	M	M	/D BLUE-YEL(N)	B	06/17/2004
		DGREEN	/YELLOW-DGREEN		
3231	M	M	/ORANGE	B	06/18/2004
			/		
3363	F	L	BLUE-YELLOW/YELLOW-D BLUE	H	06/18/2004
			YELLOW-D BLUE/M		
3807	M	D	BLUE-L PINK/D BLUE	H	06/17/2004
		L	GREEN-LBL(N) /M		

---





NOTES





2002 HAYDOCK  
2003

MELANERPES FORMICIVORUS

CHONKO

HNHR

12 July

7:00 - Observed for about 20 min for sign of nesting. No obvious suggestions of a nest; I did not see a bird in a hole. Found new hole located about 150m up canyon from granary tree. Plenty of acorns remaining in granary





2001 HAYDOCK

2002

2103

MELANERPES FORMICIVORUS

BURKEYE

HASTINGS

22 MAY

11:20 - Arrive to attempt capture on unbanded bird.

13:30 - No bird ever arrived. ~~I~~ I reset the Ambush moved the blind back about 4m and left at 14:00. I heard the nestlings when I climbed the tree to check the ambusher.

24 MAY

5:45 - Arrive to attempt capture of unbanded again -  
Not successful. - Banded 4 young. - 3432-3435  
Plenty of acorns remaining.

---

2002

11 July

6:30 - Checked for evidence of nesting (second nest) - No birds seen. Plenty of acorns remaining.

---

2003

19 MAY

10:13 - Checked for nest - No birds seen in a cavity.

10:40 - Heard birds towards Burkeye annex side of granary and in granary. Saw Orange (with yellow)?

31 July

9:00 - Check for nest. No birds seen.  
Plenty of acorns remaining.





2003 HAYDOCK

MELANERPES FORMICIVORUS

PLAQUE

HASTINGS

23 June

18:30 - Its a nest! (found by Michelle while doing a census). Located in Secondary tree just above Scott Barn, in hole that Owl used several years ago. Had to completely reopen (old door was just a facade.)

Banded the kids. → ~ (29d) [26 May - 11 = 15 May]

31 July

9:50 Checked for nest. - Nope





2003

MAYDOCK

MELANERPES FORMICIVORUS

PLAQUE ANNEX

MAYDOCK

31 July

8:50 - Checked. No evidence of a nest.

No acorns remaining in granary (lower  
rest tree)





2002 HAYDOCK

2003

MELANERPES FORMICIVORUS

CAVITY

HNHR

16 July

8:40 - No birds seen in a cavity.

4 Aug

9:10 - No birds seen in a cavity. Acorns  
remaining in granary.

---

2003

---





2002 HAYDOCK

2003

2004

MELANERPES FORMICIVORUS

MACROBERTS

HINHR

17 July 8:40 - No birds seen in a cavity. No acorns remaining in granary.

4 Aug 9:10 - No birds seen in a cavity.

---

2003

12 June 12:00. Bled 4 healthy nestlings (about 1 week old). Put hatching band on each bird (#3900-3903).

24 June 13:30 - Banded and bled 4 nestling. All still healthy. Some acorns remaining. Experimented nest (2nd nest).

---

2004

2 June 14:41 - 2 nestlings hatched today - and two eggs. Eggs may both be fertile, but one has a small dent that does not seem to a nestling that is piping to get out.

11 June 19:45. Watched to see which male breeder incubated/brooded nestlings. - Likely 2999, but not sure since bird was in hole when I arrived. 2999 did enter cavity, another bird left.

14 June 19:45 - Male brooding watch - 2999 definitely was the only bird to roost in cavity. ♀ 3901 also approached cavity, entered quickly and left.





2000 MAYDOCK

2002

2003

MELANERPES FORMICIVORUS

KNOLL

HASTINGS

17 MAY 12:30 - Banded and bled five nestlings with Walt. Plenty of acorns remaining.

6 July 15:00 - 4 eggs - look fresh; can't reach. Door had fallen out - Possibly when I was climbing tree, but may have fallen out earlier. Replaced door after climbing down and finding door on the ground. (I am not sure if door was out when I saw bird looking out earlier, because I did not look closely and I did not have my binoculars. Acorns remaining

---

2002

24 June 15:10 - Hatch check. 1 babies hatched recently. 5 eggs (look good) including one that is hatching.

15 July — Banded 5 nestlings - One was very small (about 30 g) - Plenty of acorns remaining

---

2003

---





2000 HAYDOCK  
2001  
2002  
2003

MELANERPES FORMICIVORUS

CENTRAL CANYON

HNHR

2 JUNE 11:30 - 2nd nest! New hole in traditional tree. Walt opened and found one egg with hatchling piping. Measured eggs:  
① 24.7 x 18.9 ② — 4 egg total? —  
Very difficult to reach, so count is not necessarily accurate.

23 June 11:45 - Banded 4 nestlings with Walt.  
Acorns remaining in granary.

---

2001

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10 June - See cavity

---

2002

---

17 July 9:00 - No birds seen in a cavity. No acorns remaining.

24 July 9:00 - Two birds seen on granary. No birds seen in a cavity.

4 Aug 9:25 - No birds seen.





2000 HAYDOCK

2003

MELANERPES FORMICIVORUS

BLOMPOUND

HNHR

20 MARCH 15:40 No birds seen - No known stores - I don't know if they even have a granary.

---

2001

27 June 15:30 - Checked high hole for eggs - Found 4 fresh eggs. Probably still laying.

11 July 13:30 - 4 babies, the oldest perhaps 2 days old. 1 egg (likely infertile).

---

2002

2003

29 MAY 7:00 - checked nest cavity for possible nest. Bird nearby (in hole?) when I arrived. Nothing in cavity - but looks good for a nest.





2000 HAYDOCK

2001

2002

MELANERPES FORMICIVORUS

LONESOME PONE

HNHR

20 MARCH

15:35 - 2 birds in granary tree. plenty of acorns remaining. (80% full). No evidence of a nest.

---

2001

9 JUNE

9:30 - Banded 2 healthy nestlings. Some acorns remaining in nest tree.

---

2002

17 July

9:10 - No bird seen in a cavity. No ~~birds~~ acorns remaining in granary



10/10/2020

1

The first part of the document is a list of the names of the people who were present at the meeting. The names are listed in alphabetical order.

The second part of the document is a list of the topics that were discussed at the meeting. The topics are listed in alphabetical order.

The third part of the document is a list of the actions that were taken at the meeting. The actions are listed in alphabetical order.

2

The fourth part of the document is a list of the decisions that were made at the meeting. The decisions are listed in alphabetical order.

The fifth part of the document is a list of the recommendations that were made at the meeting. The recommendations are listed in alphabetical order.

The sixth part of the document is a list of the conclusions that were reached at the meeting. The conclusions are listed in alphabetical order.

3

2004 HAYDOCK

Melanerpes formicivorus

1500

2 June 14:10 - 3 healthy babies ~ 2-3 days old. One somewhat smaller than the other two.





2002

HAYDOCK

2003

MELANERPES FORMICIVORUS

1800

HNHR

24 July

7:55: One bird seen in granary; others heard  
partway up haystack. No acorns remaining in  
granary.

4 Aug

10:30 - No birds seen in a cavity

---

2003

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4 June

8:30 - checked 2nd nest of year for eggs.  
Found 8 eggs, one of which is a runt egg.  
Early incubation (2-3 days). Est. hatch date  
June 13th.

16 June

10:30 - checked nest for hatching. Found 3  
babies ~ 3d old. 2 infertile eggs. 1 egg with  
nestling that died hatching. 1 egg, cracked with  
50% developed nestling.



2003 Haydock

Melanerpes formicivorus

Mid. Long Field 1

HASTINGS

20 June

4:15 - Roost ambush. Caught 2 adults 3909 (♂)  
and 3910 (♀). Both adults - No juv. (expected)  
caught. Are these birds actually MLF1?





2002 HAYDOCK

MELANERPES FORMICIVORUS

Lower Longfield

HNHR

30 MAY 14:20 - Checked nest for hatching - Found  
2 nestlings, each about 1 day old and 1 dead  
nestling. Nestlings died during hatching (egg  
shell halves still attached)

18 July 8:30 - No birds seen; no acorns remaining in  
granary.





2001

HAYDOCK

2002

MELANERPES FORMICIVORUS

HORSETAIL

HASTINGS

8 July

16:20 - Checked nest for hatching. 4 babies;  
oldest about 2 days old. Two of the  
babies are relatively small compared to the  
other two babies.

---

2002

---

18 July

8:15 - No birds seen; no acorns remaining  
in granary (nest tree)



2002

HAYDOCK

MELANERPES FORMICIVORUS

HAYBLOM

HINHR

17 July

9:30 - No birds seen in a cavity.

24 July

8:30 - Birds seen in nest tree (recent years)  
and in several trees to East. No acorns  
remaining in granary (at least no complete acorns)





2003 HAYDOCK

MELANERPES FORMICIVORUS

LOWER HAYSTACK

HASTINES

19 July

6:00 - Banded 2 healthy nestlings.

Some acorns remaining in granary.





2002 HAYDOCK

MELANERPES FORMICIVORUS

BLOM ONE

HNHR

17 July

9:15 - No bird seen in a cavity.

24 July

8:55 - No birds seen; no acorns remaining in granary (at least no complete acorns)

4 Aug

9:30 - 3 birds flew from granary tree as a approached. No birds seen in a cavity.





2000 HAYDOCK

2001

2002

MELANERPES FORMICIVORUS

BLOM THREE

HNHR

20 MARCH

Some acorns in nest tree. No birds seen. No evidence of a nest.

---

2001

20 MAY

16:30 - checked hole in dead snag located on Blom 2 side of territory. Bird looking out - ~~Walt~~ (checked by Walt on 21 MAY)

29 MAY

11:35 - Checked nest (Walt checked previously). 2 nestlings - One hatched this morning; the other probably yesterday afternoon/evening.

---

2002

17 July

9:30 - No birds seen in a cavity; a few acorns still remaining in granary.

4 Aug

9:40 - No birds seen in a cavity





2001 HAYDOCK

2002

MELANERPES FORMICIVORUS

GAZEBO

HASTINGS

17 MAY

17:15 - Checked possible nest. Empty; but in good condition. I did not see a bird in the hole when I arrived.

10 JUNE

15:10 - 3 babies; 1 egg. Not sure if another egg is in cavity since I can not reach the bottom completely.

---

2002

---

17 July

10:00 - No birds

4 Aug

10:10 - No birds seen in a cavity





2001 HAYDOCK

2002

MELANERPES FORMICIVORUS

LOS ARBOLITOS

HNHR

7 July

19:30 Roost/brooding watch. 3017 entered first, then 2095 entered without 3017 first leaving. I assume that 3017 left nest leaving 2095 to brood nestlings

8 July

19:30 - Roost/brooding watch. Bird in hole when I arrived; nobody else came to hole and the bird that was in the hole, stayed (~~unknown~~)

9 July

19:30 Roost/brooding watch. Several birds fed while I was waiting for a bird to stay and brood the nestlings (3051, 2095, 3017), but 2095 was the bird that stayed and brooded the nestlings.

2002

24 MAY

8:40 - Watt checked nest. Found 6 Kids ~ about 2 days old.

17 July

10:00 - No birds seen in a cavity. Some acorns remaining in granary.

4 Aug

10:00 - No birds seen in a cavity.



2002 HAYDOCK

Melanerpes formicivorus

LARB 2

HNHR

17 July 10:00 - No birds seen in cavity. No

acorns remaining

4 Aug 09:55 - No birds seen in cavity











2000 HAYDOCK  
2002

MELANERPES FORMICIVORUS

Y2K

HASTINGS

29 MAY

13:20 - Walt checked cavity in snag on East side of road. Finds just 1 egg. (in hole opened previously for setting ambush to catch during roosting)

5 JUNE

12:00 - Walt checks and finds 6 eggs.

---

2002

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12 July

6:00 - checked for possible nest. - Do birds seen. Acorns remaining? - I ~~do~~ not know where there granary is located.

1992



2002 HAYDOCK

2003

MELANERPES FORMICIVORUS

STROMBERG

HN HR

10 JULY 10:00 - Checked nest for hatching - found 3 healthy nestlings, all about the same size and about 4-5 days old. Set ambush for later attempt at catching unbanded ♀.

16 July 10:30 - Caught and banded the unbanded breeding female # 3758

23 July 7:30 - Banded 3 nestlings. All healthy and about the right size for 17 day old.

---

2003

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27 MAY 11:00 - Check for hatching. Found 4 fresh eggs (no marks). So nest failed? - Bird in hole when I arrived.





2001

HAYDOCK

2002

MELANERPES FORMICIVORUS

2003

WEST GATE

HASTINGS

30 MAY 14:40 - Arrived to band nestlings with Walt.

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2002

12 July

6:10 - Checked for evidence of nesting. Several birds seen, but nobody seen in a hole. Some acorns remaining

---

2003

27 MAY

11:15 - Walt checked nest. On the way up he finds a sterling nest in hole #282.





2000 HAYDOCK

2001

2003

Melanerpes formicivorus

GATE

HASTINGS

16 MAY 12:00 - Banded and bled 6 nestlings with Walt.  
Checked hole # 266 - Old starling nest (removed) (Possible that nest is new and just built?).  
Nest hole used <sup>(by ACW)</sup> 15 #263 - New entrance to this nest hole is at an angle of  $-15^{\circ}$  and faces  $290^{\circ}$  W.  
Checked hole 292 - Good condition and empty.

---

2001

28 JUNE 16:00 - checked this years nest hole (#263) and the hole located about 2 feet above for 2nd nest. Hole 263 - empty. Upper hole is still filled with acorns.

---

2003

2 June 10:00 - checked nest for hatching. Found 5 babies - 3-4 days old. 1 infertile egg.





2002 HAYDOCK

MELANERPES FORMICIVORUS

PIPELINE

HNHR

12 July

6:18 - checked for evidence of nesting. No bird seen in a cavity. Some acorns remaining in granary.





2000 HAYDOCK

2001

2002

MELANERPES FORMICIVORUS

WOLFPAK

HNHR

7 April

12:00 - No birds seen. Some acorns remaining - not too many (Relatively few holes in granary)

2001

8 JUNE

9:15 - Checked nest. 3 healthy babies about 5 days old. No eggs remaining.

2002

12 July

6:45 - No evidence of a nest. Very few acorns remaining in granary (I saw only 1 eventually) [The only granary tree I know is the one with the artificial nest hole].





2002 HAYDOCK

2003

MELANERPES FORMICIVORUS

ROAD 1

HNHR

12 July 6:35 - No evidence of a nest. No acorns remaining in granary.

---

2003

18 July 8:30 - Banded 3 nestling - All about the same size.



2000 HAYDOCK

2002

MELANERPES FORMICIVORUS

FINCH

HNHR

3 April

13:40 - No obvious stores. Set ambush for attempt to catch unbanded.

19:15 - Caught 2 birds 3154 and 2449: 3154

is probably the Breeding female

7 April

11:55 - No birds seen.

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2002

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12 July

6:30 - No evidence of a nest. No acorn stores.



# MEMORANDUM

TO : The President

FROM : The Vice President

SUBJECT: The proposed new law

1. The proposed new law

2. The proposed new law

3. The proposed new law

2002 HAYDOCK

MELANERPES FORMICIVORUS

ROAD 3

FINHR

12 July 6:20 - No evidence of a nest. No acorn stores remaining in main granary.





2002 Haydock

MELANERGES FORMICIVORUS

School-hall

(HASTINGS)

6 June

8:00 - 2 babies - hatched yesterday. 1 egg that still looks like it will hatch. 1 Rent egg is still in nest.

25 June

14:30 - Banded 2 healthy babies. Very few acorns if any.

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~~2002~~ 2002

---

18 July

7:30 - No birds seen. Very few acorns remaining.

8 Aug

7:45 - No birds seen.



2002 HATBOCK

2003

Melanerpes formicivorus

School Hill Annex

HNHR

18 July 7:45 - No birds seen; heard birds in  
forest below granary tree. No acorns  
remaining

8 Aug 7:45 - No birds seen.

---

2003

5 June 10:30 - Checked for hatching. 5 babies  
1-3 days old. Lots of ants.





2003 HAYDOCK

MELANERPES FORMICIVORUS

SCHOOL HILL WET

HNHR

5 June

10:50 - 2 babies - 1-2 days old. 2 eggs  
that look like they will hatch. 1 infertile  
egg (total of 3 eggs)

# General Remarks

The following is a summary of the results of the experiments conducted on the effect of temperature on the rate of reaction between hydrogen peroxide and potassium iodide. The experiments were carried out at various temperatures ranging from 10°C to 40°C. The rate of reaction was measured by the volume of oxygen gas evolved over a fixed period of time. The results show that the rate of reaction increases with increasing temperature. This is in accordance with the Arrhenius equation, which states that the rate constant of a reaction increases exponentially with increasing temperature.

(

(

(



2003

Haydock

Melanerpes formicivorus

Black Oak

HASTINGS

3 July

9:35 - No evidence of a nest. Plenty  
of acorns remaining in granary.



2003

Haydock

Melanerpes formicivorus

Phantom of Black Oak

HASTINGS

30 July

9:40. No evidence of a nest - Some  
acorns remaining in granary.





2002 HAYDOCK

2003

MELANERPES FORMICIVORUS

ARNOLD I

HNHR

16 July 8:55 - No birds seen in a cavity.

6 Aug 8:40 - No bird seen in a cavity

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2003

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30 July 9:45 - No evidence of a nest.





2003 HAYDOCK

MELANERPES FORMICIVORUS

KEEP OUT

HNHR

20 MAY 12:10 - Checked nest for hatching. Found  
1 chick about 1-2 days old. No eggs  
remaining.

30 MAY 9:05 - checked nest to be sure nestling  
was ok - Doing fine.

August.  
7/27/03 11:00 - Banded 3 nestlings. All healthy.



2000 HAYDOCK

2002

MELANERPES FORMICIVORUS

ARNOLD SWARTZ

HNHR

2 MAY

12:25 - No evidence of a nest. New hole in  
V. oak located ~ 8 m from granary (towards ravine)

5 MAY

9:40 - 4 birds seen in trees to E of granary.  
Some birds doing WACA's. Mate guarding / or  
power struggle incompletely resolved.

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2002

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16 July

~~8:00 - No~~

4 Aug

Unbanded bird with acorn (rel. small, not  
completely developed) on south side of terr.  
Also saw a second unbanded bird.





2002 HAYDOCK  
2003

MELANERPES FORMICIVORUS

FANNY ARNOLD

HNHR

22 MAY 10:05 - 3 babies, but one may not make it. One runt egg. Babies are about 4 days old.

16 July 8:40 - No birds seen in a cavity.

26 Aug 8:10 - No birds seen in a cavity.  
Plenty of acorns remaining in granary.

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2003

---

3 July 9:15 - No evidence of a nest. Some acorns remaining in granary.





2002 HAYDOCK

2003

MELANERPES FORMICIVORUS

UPPER ARNOLD 2

HNHR

22 MAY 9:48 5 eggs. Incubated - Prob mid incubation.

①  $23.9 \times 19.7$       ②  ~~$23.8 \times 18.6$~~

③  ~~$23.8 \times 19.3$~~       ④  ~~$23.9 \times 18.9$~~

⑤  ~~$19.8 \times 15.8$~~

Remeasured # ③  $23.9 \times 19.5$ .

④  $23.9 \times 19.2$       #②  $23.8 \times 18.5$

⑤  $20.0 \times 16.0$

- Use remeasured #'s except for #1

16 July 8:40 - No birds seen in a cavity

6 Aug 8:15 - No bird seen in a cavity

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2003

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3 July 9:20 - No evidence of a nest. Some acorns remaining in granary.





2001 HAYDOCK

MELANERPES FORMICIVORUS

UPPER ARNOLD Z-B

HNHR

1 July

8:30 - Banded 3 nestlings and caught the unbanded breeder male. This group is only about 50ft from LAZ, located in the tree below LAZ's granary. See notes from LAZ on 6 June and 30 June. They apparently have acorns, but I am not sure if they are using LAZ's granary or have other stores. They were feeding acorns to the kids.





2002 HAYDOCK

2003

MELANERPES FORMICIVORUS

LOWER ARNOLD 2

FNHR

22 MAY

10:45 - Banded and took blood from 3 healthy babies.

6 JUNE

9:30 - Bird in nest hole. Juvenile - So it probably is not a nest.

16 July

- 8:35 - No birds seen in a cavity

6 Aug

8:15 - No bird seen in a cavity

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2003

---

3 July

9:25 - No evidence of a nest. Some acorns remaining in granary.





2002 HAYDOCK

2003

MELANERPES FORMICIVORUS

BIANCA NORTH

HNHR

16 July 8:35 - No birds seen in a cavity

6 Aug 8:20 - No bird seen in a cavity

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2003

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July 30 - No evidence of a nest. Some acorns  
remaining in granary



2002 HAYDOCK

2003

MELANERPES FORMICIVORUS

BIANCA

HNHR

16 July 8:35 - No birds seen in a cavity

6 Aug 8:30 No bird seen in a cavity

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2003

---

20 MAY 11:20 - 4 healthy chicks; all about the same size. About 4 days old.

30 July <sup>9:30</sup> - No evidence of a nest. Some acorns remaining in granary.





2001 HAYDOCK  
2002

MELANERPES FORMICIVORUS

BIANCA NEGRA

HASTINGS

1 JAN 9:00 - checked PHOEBE's old hole (bird looking out) for 2nd nest - 5 eggs  $25.0 \times 19.8$  + 1 runt egg that was broken into and mostly eaten -

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2002

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16 July 8:35 - No birds seen in a cavity  
6 Aug 8:35 - No bird seen in a cavity











HAYDOCK

2000

2002

MELANERPES FORMICIVORUSPLAQUEHNHR

19 MARCH 10:40 - Huge amount of acorn<sup>stems</sup> remaining in granary plaque tree and V. oak toward workshop. No sign of a nest. Several holes in V. oak near workshop show recent work.

6 July 15:30 - 5 eggs - early incubation (2nd nest)  
① 25.0 x 19.7.

2002

27 MAY 10:00 - The last experimental nest. Removed clutch of 6 eggs (which included a single runt egg). Placed eggs in incubator.

20 June 19:30 - Roost watch on re-nest with eggs.  
Many birds tried to roost - at least 4 ended up roosting in cavity. (Bird was in hole when I arrived). I was fairly sure that 2428 roosted (2m) + 3522 (HF) and 3302 (HM). One other roosted as well, but I did not get a good enough look at the bands. 3525 repeatedly tried to roost but was unable to do so.

24 June 14:30 - Checked nest - empty. Unclear why nest failed.

10 July 6:00 - No evidence of nesting.





2000 HAYDOCK

2001

2002

MELANERPES FORMICIVORUS

MACROBERTS

HINHR

22 March 13:30 - No birds seen. Plenty of acorns remaining.

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2001

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21 MAY 19:20 - Roost watch to determine which male breeder is incubating. When I arrived male was in cavity - He never left and I did not see another bird come to the cavity. Eventually he disappeared into the hole, apparently to spend the night.

24 MAY 19:20 - Roost watch. ~~♂~~ m band on right (lower) leg seen clearly - entered hole at 19:42 - Assume this #2973

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2002

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6 June 19:30 - Roost watch. ♂ W-dk blue / ? (R) entered hole. (assume this is 2999)  
About 10 min's later a second bird entered quickly - I did not get a chance to see the bands.

8 June 19:30 - Roost watch. ♂ in hole when I arrived dk B/[N] came to hole, but did not enter because ♂ in hole was looking out. (2999?)  
rw(N)/yellow <sup>(3323)</sup> came and entered. (2 in hole now)  
m/Red-L blue (2973) came and entered - 3 in hole now.  
- ?/? leaves - 2 stay and roost in hole







2001 HAYDOCK

MELANERPES FORMICIVORUS

CV GRANDE SEGUNDO

HASTINGS

18 MAY

11:10 - checked nest - Bird in hole when I arrived. 3 fresh eggs. Check again to obtain complete clutch size.

5 JUNE

15:00 - Set ambush to catch unbanded birds. 3 healthy babies 4-5 days old; no eggs remaining.

7 JUNE

14:00 Caught 2 unbanded ♂s. #3504 & 3505

3504 = <sup>m / Yellow</sup> Dblue mauve / Mauve Dblue 3505 = <sup>Red / m</sup> blue-yellow (N) / red white (N)

12 JUNE

13:15 - Caught another ♂ #13520 - <sup>Black-white / white Black</sup> Dblue-yellow / m

13 JUNE

12:45 - Caught a ♀ #3521 <sup>Mauve / L green</sup> m / Red-white

15 June

16:45 Caught yet another ♂ <sup>white / orange</sup> Dgreen - B pink / m #



2001 HAYDOCK

MELANERPES FORMICIVORUS

MURF

HASTINGS

29 MAY

11:40 - Checked nest - 4 nestlings - ~~1~~ 1-2 days old. 1 egg - looks good and is likely to hatch. I was not able to completely check bottom because ~~it~~ could not reach (opening too small).





MELANERPES FORMICIVORUSCVIHASTINGS29 MAY

12:00 - Checked nest in sycamore (high hole with opening ~~on~~ front and back). Bird in hole when I arrived. 5 eggs - each with some bird feces on outside - unclear if they are alive. Possible that these eggs were abandoned and a bird is now incubating\* eggs again.\* However, eggs were fairly cold - older than expected given time bird was out of cavity.

7 JUNE

10:45 - Checked nest for hatching. - Only 1 young bird + 3 unhatched eggs. Baby is 4-5 days old.





2000 HAYDOCK

2001

MELANERPES FORMICIVORUS

CVZ

HNHR

5 April 10:55 - No birds seen. Lots of acorns granary nearly full. No bird seen in a hole.

1 MAY 10:45 - 5 healthy nestlings; largest 24g Hatch  
All close to the same size. <sup>APRIL</sup> 25 ~~MAY~~ is ~~LED~~  
by weight

17 MAY 13:30 - Banded 5 nestlings with Walt. Lots of acorns remaining.

---

2001

---

Caught. Unbanded bird.

9 JUNE 8:30 - Banded 3 nestlings. All healthy and about the same size. Plenty of acorns remaining in granary.

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98 MAYDOCK

99

2000

MELANERPES FORMICIVORUS

OK CORRAL

HASTINGS

3 MAY

16:45. Bird in hole; no eggs - just lichen found.

29 MAY

14:30 - Banded 3 nestlings with Walt.

# 3006 - 3008. Some acorns remaining.

22 JUNE

14:15 - Checked for 2nd nest. No birds seen.

---

1999

(No notes taken)

---

2000

5 April

11:15 - No birds seen in/near granary. Saw bird fly from CV2 side of territory toward OK corral / BLM3. Lots of acorns in granary ~90% full

1 MAY

13:20 - Checked for nesting. No birds seen.





98 HAYDOCK  
99  
2000

MELANERPES FORMICIVORUS

DARK HOLLOW

HNHR

JUNE 2

11:30 - Two birds seen. Nobody seen in a hole, but a couple of holes look like they have been used recently.

JUNE 22

14:10 - No birds seen.

---

1999

Territory not used

---

2000

5 April

11:20 No birds seen. One hole being worked on in V. oak (Northern one of two). Heard several birds (WTA) in live oak to west. New group? or CV2/OK curial? A few acorns in tree with WEBL box # 238. (~10-20% of holes)





99 HAYDOCK

2000

2001

2002

Melanerpes formicivorus

MPHF

HASTINGS

23 June

17:00 - Banded 4 nestlings. Plenty of acorns remaining

---

2000

3 April

13:40 - Several birds seen in/near traditional rest tree. Lots of acorns remaining. Set ambusher.

---

2001

8 July

14:30 - Checked nest for hatching (2nd nest of year in tree above traditional rest tree). 3 babies ~1 day old; 1 egg pipped; 2 unhatched, but apparently good eggs.

---

2002

12 July

5:50 - Checked for evidence of nesting. Nothing seen suggesting a nest. Several birds seen/heard. Plenty of acorns remaining in granary.

# Introduction

1/1/21

The purpose of this report is to provide a detailed analysis of the data collected during the experiment. The data was collected over a period of 10 days, and the results are presented in the following sections.

The first section of the report describes the experimental setup and the data collection process. The second section presents the results of the experiment, and the third section discusses the conclusions drawn from the data.

The results of the experiment show that the data collected during the experiment is consistent with the theoretical predictions. The data also shows that the experimental setup is capable of measuring the parameters of interest with a high degree of accuracy.

The conclusions drawn from the data are that the experimental setup is capable of measuring the parameters of interest with a high degree of accuracy. The data also shows that the theoretical predictions are consistent with the experimental results.



2000 HAYDOCK

2002

MEKANERPES FORMICIVORUS

18 April  
(cont)

SCHOOL HILL

♀ W-D-blue (W) / Dblue-white = 2954 (School Hill)

♂ M / Yellow

= 2963 (School Hill)

? 1 ?

= 2954

Dblue-WW / M

♀ Dgreen / Lgreen

? 1 ?

? Lgreen / orange

2 MAY

10:00. Power struggle still not completely resolved?  
No evidence of a nest.

19 MAY

11:15 - Bird in hole. Lower side of enclosure  
Southwest tree of the 2 valley oaks  
on fence line. Hole faces other tree (to NE)  
Opened. Found 9 eggs - 1 of which is a runt egg  
① runt 18.75 x 14.6 ② 24.62 x 19.1 ③ 25.35 \* 19.5  
Early incubation ~ 3 days

19 JUNE

9:43 - Banded the one nestling. A few acorns  
remaining.

2002

May 27

egg #4  
#1

26 x 20.4 mm

26.1 x 20.4 mm

4 eggs, including 1 runt egg (#1-3  
numbered and measured by Walt - remeasured  
#4 to compare measurements)

Found breeding ♀ #3055 dead on ground  
at base of tree. Not obvious why she died -  
No obvious wounds.





2001 HAYDOCK

2002

MELANERPES FORMICIVORUS

SCHOOL HILL WEST

HASTINGS

~~10:20 -~~

MAY 21 10:20 - checked nest - 5 eggs early-mid incubation. (1) 23.4 x 19.6.

JUNE 3 19:30 - Roost watch, 80% sure that #3113 roosted with young.

JUNE 6 19:30 - Roost watch 95% sure that #3113 roosted with kids.

---

2002

~~May 27 14:00 4 eggs, early incubation egg #1 26.3 x 20.0 25.5 x 19.9~~

May 27 14:00 4 eggs, early incubation egg #1 26.3 x 20.0 25.5 x 19.9

June 5 4 eggs - None seem to be developing - One of the eggs has a hole in it.

June 17 7:30 - Checked nest hole - empty. No birds seen.

July 18 8:00 - No birds seen; No acorns remaining in granary.

8 Aug 7:30 - No birds seen.





98 HAYDOCK

99  
2000  
2002

MELANERPES FORMICIVORUS

ROAD 3

HINER

MAY 7

14:30 - checked nest - 5 healthy babies. Set ambush for catching unbanded birds.

MAY

Caught unbanded breeder.

---

1999

28 June

#55 - Caught 4 unbanded juveniles from missed nest of this year. Acorns remaining.

---

2000

7 April

11:50 - Lower granary (NW side of territory) has some acorns, but not a lot (20% of holes with acorns). Saw one bird in same tree. No evidence of a nest.

22 June

9:58 - Walt checked nest hole of 1st nest for 2nd nest. Found empty cavity (bird was in hole). Also placed tag on #1118 at nest hole. (New hole for this year)

---

2002

20 June

15:30 - 16:30 - observed for evidence of nesting behavior. No birds seen or heard. I watched from South facing hillside above granary. No acorn stores that I could find.

The first part of the paper discusses the importance of the study and the objectives of the research. It also mentions the scope of the study and the limitations of the study.

The second part of the paper discusses the methodology used in the study. It mentions the data sources, the data collection methods, and the data analysis methods.

The third part of the paper discusses the results of the study. It mentions the findings of the study and the conclusions drawn from the study.

The fourth part of the paper discusses the implications of the study. It mentions the practical implications of the study and the theoretical implications of the study.

The fifth part of the paper discusses the future research. It mentions the areas for future research and the suggestions for future research.



98 J. HAYDOCK

99  
2000

MELANERPES FORMICIVORUS

ARET00

HASTINGS

~ Oct 3

12:00 - No acorns in any of the granaries

Nov 8

13:20 - No birds or acorns ~~in~~ in granary.

---

1999

23 April

9:30 - No birds seen

---

2000

3 April

8:30 No birds seen; no acorns.

2 MAY

12:01 - No birds seen.





2000 HAYDOCK

2001

2002

MELANERPES FORMICIVORUS

BLACK OAK

HINER

5 MAY 9:00 - No bird seen in a hole

16 MAY 15:30 - Bird in traditional (last years) nest hole

1 June 12:40 - 4 healthy babies; largest are 24g.

2001

26 JUNE 15:00 - Walt checked nest - Finds 4 eggs

~~26 JUNE~~ Incubated # ① 25.7 \* 19.6 ② 26.7 \* 20.0

③ 26.4 \* 19.5 ④ 26.5 \* 20.4. First egg <sup>(#1)</sup> probably not developing, but the others are developing.

3 July 8:50 - checked nest for hatching. 4 babies

One is a runt, about  $\frac{1}{2}$  the size of the others.

They are (except for the runt) about 3 days old.

2002

31 MAY 12:50 - Walt checked nest and found 4 eggs  
Incubated - late incubation.

① 25.6 x 19.9

② 24.0 x 19.2

③ 25.9 x 20.1

④ 24.5 x 20.2

5 June

10:15 - Walt checked nest for hatching.

2 babies, 2 eggs - one piping (making noise)

Hatched today or yesterday. The 2nd

egg also looks good and will probably hatch.

16 July

8:30 - No birds seen in a cavity

6 Aug

8:40 - No bird seen in a cavity





2002  
2003

MELANERPES FORMICIVORUS

KEEP OUT

MNHR

22 MAY

9:00 - 5 eggs - Fairly fresh.

① 24.4 (X) 20.1    ② 24.0 (X) 19.9 (with hole,  
otherwise ok shell)    ③ 24.1 \* 19.7

④ 23.6 x 20.1    ⑤ 24.1 \* 19.2

- Took egg with hole. (Will attempt to incubate and get DNA from developing egg.)

29 MAY

19:30 - Roost watch. 3 birds roosted with eggs.

~~nest~~ - 2647 (BM) + 2 helpers ~~352~~ 3252

~~352~~ and 3594. 3252 stayed just outside hole for about 10 min. before entering.

5 June

9:15 - 4 babies. No eggs remaining - All in good condition - about 3-4 days old.

16 July

8:50 - No birds seen in a cavity.

4 Aug

7:30 - No birds seen in a cavity.

---

2003

20 July

13:00 Checked for hatching. 3 healthy babies about 2 d. old. No eggs (I think - difficult to reach bottom)

30 July

8:50 - checked for nest. At least 1 healthy baby (Can't reach bottom to see if 2). Probably only 1.





2001 HAYDOCK

2002

MELANERPES FORMICIVORUS

MAY 23 LAMBERT

HASTINGS

~~10:30~~ 10:30 - Mild "power struggle" in process. At least half a dozen birds flying around, calling, etc.

---

2002

---

- 22 MAY 10:25 - Walt checked nest cavity from last year. No eggs, but still in good shape.
- 16 July 8:45 - No birds seen in a cavity. 3 birds in tree next to granary.
- 6 Aug 8:00 - No bird seen in a cavity.





2000 HAYDOCK

2001

2002

MELANERPES FORMICIVORUS

PHANTOM OF BLACK OAK

HNHR

5 MAY

9:00 - Walt set ambush for NOBA. Greg is doing watch (feeding) - Will pull ambush if unbanded bird arrives. (No luck)

8 MAY

11:10 - Banded 3 nestlings with Walt ~~#3166-3168~~

---

2001

- No observations -

---

2002

16 July

8:35 - No birds seen in a cavity.

6 Aug

8:35 - No bird seen in a cavity





NEST HOLES

NEST HOLES

AW nests 2000

	Woodpecker nests 2000					
	NOBA	In hole	Eggs	Hatch	Band	
Buckeye						
Chongo	??					
Plaque						
Cavity						
Knoll						
Blompond	3					
Lonesome Dove	1					
Central Canyon						
1500						
1800						
Hay-Blom	1					
LHay						
Blomone						
Blomthree						
Gazebo						
Los Arbolitas						
CVGrande	1					
CV1						
Murf	1					
CV2						
OKCorral	1					
MPHF						
Y2K						
Stromberg						
WGate						
Gate						
Pipeline						
Wolfpack	1					
R1						
Finch	2					
R3	??					
School Hill						
SHWest						
ARF,too						
Black Oak						
Phobo	1					
Arnold 1						
Keep Out						
Arn Schwartz						
Lambert						
Fanny Arnold						
UA2						
LA2	1					
Bianca						





800-626-4384

312-01-70

Taylor Grimes

61824

Adult Capture Record

Adult Capture Record



2001 Walter D. Koenig  
Joey Haydock

Bird # \_\_\_\_\_

***Melanerpes formicivorus***

Capture Record

1. Date: ~~30 June~~

2. Time: ~~11:45 am~~

3. Where:

4. Age:

5. Sex:

6. Molt: Wing: ~~60.5~~

Tail:

Body:

Crown:

7. Weight:

8. Wing length: ~~33.4~~

9. Tail length:

10. Culmen:

11. BANDS: /

/

12. Comments: (Screams: None Some Fair amount Lots)



Nestling Capture Record

17



Nesting Capture Record

Chaparral

1

un  
un  
m  
a  
p  
u

9016

Turkey Obs

Turkey Obs



Turkey Observation Sheet

Observation # \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Observer \_\_\_\_\_

General Location(Haystack Hill, Corral Viejo, etc) \_\_\_\_\_ Nearest WEBL Box \_\_\_\_\_

Marked Birds (circle # if SURE of ID): Males \_\_\_\_\_ Females \_\_\_\_\_ Unknown \_\_\_\_\_

Unmarked Birds (# of each) Males \_\_\_\_\_ Females \_\_\_\_\_ Poult \_\_\_\_\_ Unsure \_\_\_\_\_

Comments (behaviors such as feeding, displaying, roosting, etc, also injured birds, or any notes about direction of travel)

Entered by AK \_\_\_\_\_



KEYS





3

	Age	$\bar{X}$ Mass	$\bar{x}$ Bill	6 <sup>th</sup> Primary	$\times$ Tail	Wing Chord
	0	4.83				
	1	7.2				
	2	9.9				
	3	13.1				
	4	16.5	9.15			
	5	20.3	9.87			
	6	23.8	10.65			
	7	28.5	11.6			
	8	32.6	12.46			
	9	37.1	13.3			
	10	41.1	14.16			
	11	45.8	14.75	3.3	3.2	
	12	50.3	15.55	4.8	4.1	
	13	52.4	15.85	5.7	4.8	
	14	58.5	16.85	9.4	7.4	
	15	60.6	17.15	12	9.6	36.5
	16	65	17.78	15.1	12	43.3
	17	68.5	18.15	19.8	15.6	47.5
	18	70.5	18.6	23.4	17.7	51.5
	19	73.4	18.82	28.4	20.9	56.4
	20	75.6	19.65	35.4	25.2	62.3
	21	76.2	19.78	38.6	27.2	66.2
	22	76.6	20.29	44.9	30.9	71.9
	23	79.2	20.93	50.9	34.5	77.5
	24	80.3	21.1	56.3	37.8	82.3
	25	81.4	21.7	61.7	41	87.3
	26	80	21.72	64.8	43.1	90.8















2002

HAYDOCK

MELANERPES FORMICIVORUS

HASTINGS

3 June

14:30 - Still 3 eggs - 2 look to be developing;  
the third probably not. Rent egg gone.











Four Point  
Products

ROYAL  
MAINT

32-000